

8-30-05
CA

GRAPHIC CHEMICAL & INK -- COPPER ETCHING SOLUTION, 922-00
MATERIAL SAFETY DATA SHEET
NSN: 685000D005347
Manufacturer's CAGE: 7Y766
Part No. Indicator: A
Part Number/Trade Name: COPPER ETCHING SOLUTION, 922-00

General Information

Company's Name: GRAPHIC CHEMICAL AND INK CO NO
Company's Street: 728 N YALE AVE
Company's P. O. Box: 27
Company's City: VILLA PARK
Company's State: IL
Company's Country: US
Company's Zip Code: 60181
Company's Emerg Ph #: 312-832-6004
Company's Info Ph #: 312-832-6004
Distributor/Vendor # 1: BLICK DICK CO (800-447-8192)
Distributor/Vendor # 1 Cage: 06608
Safety Data Action Code: C
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 01NOV91
Safety Data Review Date: 20AUG96
Supply Item Manager: 75
MSDS Preparer's Name: UNKNOWN
MSDS Serial Number: BZZBV
Specification Number: UNKNOWN
Spec Type, Grade, Class: UNKNOWN
Hazard Characteristic Code: T6
Unit Of Issue Container Qty: 1 PT (MSDS)
Type Of Container: UNKNOWN
Net Unit Weight: 1.0 LBS
NRC/State License Number: NOT RELEVANT

Ingredients/Identity Information

Proprietary: NO
Ingredient: FERRIC CHLORIDE (CERCLA)
Ingredient Sequence Number: 01
Percent: 0.39
NIOSH (RTECS) Number: LJ9100000
CAS Number: 7705-08-0
OSHA PEL: 1 MG (FE)/M3
ACGIH TLV: 1 MG (FE)/M3; 9596
Other Recommended Limit: NONE RECOMMENDED

Physical/Chemical Characteristics

Appearance And Odor: REDDISH BROWN LIQUID
Boiling Point: 442F, 228C
Melting Point: UNKNOWN
Vapor Pressure (MM Hg/70 F): UNKNOWN
Vapor Density (Air=1): <1
Specific Gravity: 1.0
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: <1 (ETHER=1)
Solubility In Water: COMPLETE
Viscosity: UNKNOWN
Radioactivity: NOT RELEVANT
Corrosion Rate (IPY): UNKNOWN

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Fire and Explosion Hazard Data
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Flash Point: NONE

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Special Fire Fighting Proc: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire And Expl Hazrds: NONE
=====Reactivity Data
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Stability: YES

Cond To Avoid (Stability): NONE

Materials To Avoid: MOST COMMON METALS INCLUDING IRON, STEEL, COPPER AND BRASS

Hazardous Decomp Products: UNKNOWN *

Hazardous Poly Occur: NO *

Conditions To Avoid (Poly): NOT RELEVANT *
=====Health Hazard Data
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LD50-LC50 Mixture: LD50 (ORAL, RAT) IS UNKNOWN. *

Route Of Entry - Inhalation: NO *

Route Of Entry - Skin: NO *

Route Of Entry - Ingestion: NO *

Health Haz Acute And Chronic: TARGET ORGANS:EYE, SKIN. ACUTE- EYE CONTACT MAY CAUSE BURN. INHALATION NOT LIKELY. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE SLIGHT SKIN IRRITATION. CHRONIC- UNKNOWN. *

Carcinogenicity - NTP: NO *

Carcinogenicity - IARC: NO *

Carcinogenicity - OSHA: NO *

Explanation Carcinogenicity: NONE *

Signs/Symptoms Of Overexp: IRRITATION, BURN *

Med Cond Aggravated By Exp: PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT. *

Emergency/First Aid Proc: GET MEDICAL HELP IF SYMPTOMS PERSIST.

INHALED:REMOVE TO FRESH AIR. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:CALL PHYSICIAN. *
=====Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: PREVENT SKIN AND EYE CONTACT. ABSORB SPILLS WITH INERT MATERIAL SUCH AS SAND OR VERMICULITE. SCRAPE SPILL UP INTO NONPOROUS CONTAINERS. DO NOT FLUSH TO SEWER. *

Neutralizing Agent: NOT RELEVANT *

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. *

Precautions-Handling/Storing: STORE IN CLOSED CONTAINER. *

Other Precautions: WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. DO NOT GET IN EYES OR ON SKIN. *
=====Control Measures
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Respiratory Protection: NONE REQUIRED. *

Ventilation: NONE REQUIRED. *

Protective Gloves: BUTYL RUBBER RECOMMENDED *

Eye Protection: CHEMICAL SPLASH GOGGLES/SAFETY GLASSES *

Other Protective Equipment: EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING *

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. *
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